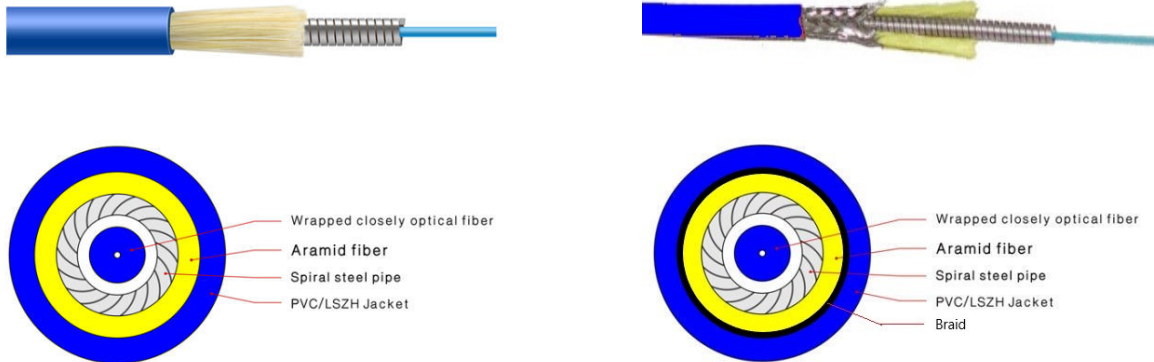


Spiral Armoured Drop cable



Technical Literature:

Armoured drop cable consists of spiral metal layer inside the outer jacket to provide higher retention force and better anti-crush to protect the fiber inside. This cable is generally used in applications where rugged cable is required with strength and environment protection features in Telecommunication Fiber Optic Networks.

The cable sheath can be PVC, LSZH or TPU for the required environments. The fiber is available for G652D, G657A1, OM2 and OM3 fibers and the fiber count is available for 1F, 2F, 4F and 6F.

Spiral Armoured Drop cable

CABLE STRUCTURE



Item	UoM	Parameter				Thickness			
		1F	2F	4F	6F	1F	2F	4F	6F
Buffer Fiber	mm	0.90±0.05	0.60±0.05	0.60±0.05	0.60±0.05				
Spiral Stainless Steel Tube	mm	1.70±0.1	2.10±0.10	2.80±0.10	2.80±0.10	0.22			
Aramid Yarn	Decitex	1100							
Braid	mm	2.00±0.05	2.40±0.10	3.10±0.10	3.10±0.10	0.07			
Outer Jacket	mm	3.0±0.05	3.2±0.05	4.80±0.20	4.80±0.20	0.45	0.40	0.70	0.70
Cable Weight	Kg/km	18	20	35	35				
Cable Colour	Customization(Black)								
Fiber Count, F	1 / 2 / 4 / 6								
Max. Tensile Load	Long Term (N): 200N			Long Term (N): 300N					
	Short Term (N): 400N			Short Term (N): 600N					
Max. Crush Load	Long Term (N): 3000N								
	Short Term (N): 5000N								

FIBER PERFORMANCE

● Single Mode Fiber :

ISO/IEC 11801 and EN 50173		Chromatic Dispersion (ps/nm x km)		Cut-off Wavelength, cabled (nm)	Point Discontinuity (dB)	Fiber Attenuation (dB/km)		
		1310 nm	1550 nm			1310 nm	1380-1386 nm	1550 nm
OS2 (ITU-T G.652D & G.657A2)	9 μm	≤ 3.5	≤ 18.0	≤ 1260	≤ 0.1	≤ 0.40	≤ 0.40	≤ 0.30

● Multi-mode Fiber :

ISO/IEC 11801 and EN 50173	Core Diameter (μm)	Overfill Bandwidth (MHz x km)		Max. Link Length for 1 GBit/s (m)		Max. Link Length for 10 GBit/s (m)		Fiber Attenuation (dB/km)	
		850 nm	1300 nm	850 nm (1000Base-SX)	1300 nm (1000Base-LX)	850 nm (10GBase-SR) (10GBase-SW)	1300 nm (10GBase-LX4)	850 nm	1300 nm
OM1	62,5 μm	≥ 200	≥ 600	275	550*	33	360*	≤ 3.5	≤ 1.0
OM2	50 μm	≥ 500	≥ 500	550	550*	83	300*	≤ 3.5	≤ 1.0
OM3 (XG)	50 μm	≥ 1500	≥ 500	1000	600	300	300	≤ 2.4	≤ 0.6
OM4	50 μm	≥ 3500	≥ 500	1040	600	550	300	≤ 2.4	≤ 0.6
OM4+	50 μm	≥ 3500	≥ 500	1200**	600	600**	300	≤ 2.4	≤ 0.6

CABLE ASSEMBLY SPECIFICATION:

Item	Parameter
Insertion loss	≤0.3dB
Return Loss	≥50dB (PC, UPC); ≥60dB(APC)

Ordering Part Number:

SAOC-1F-A1-3S-LS-WOB	Armoured Cable 1F G657A1 LSZH 3mm without braid
SAOC-2F-A1-3S-LS-WOB	Armoured Cable 2F G657A1 LSZH 3mm without braid
SAOC-4F-A1-3S-LS-WOB	Armoured Cable 4F G657A1 LSZH 3mm without braid
SAOC-6F-A1-3S-LS-WOB	Armoured Cable 6F G657A1 LSZH 3mm without braid